

The Herd and the Bird

Assessment form for March/April 2020 "The Heard and the Bird: How an innovative federal program is conserving sage-grouse by helping ranchers improve their cattle-grazing practices." (CCRA.R.10)

1.	Who is	s the author of the article?
		John Grassy
		Kim Lesh
		Bret Lesh
		Rebecca Knapp
2.	Why d	id Bret Lesh visit the USDA Natural Resource Conservation Service in
	2012?	
		To preserve sage-grouse on his property
		To find a solution to feed and water his cattle during low
		precipitation years on his property
		To preserve wildlife on his property
		The article does not mention why he visited the USDA Natural
		Resource Conservation Service
3.	What a	answer best describes the national Sage-Grouse Initiative?
		An incentive program designed to remove cattle from sage-grouse
		habitat across the West
		A program designed to raise sage-grouse in pens and release them
		across the United States
		An incentive program designed for landowners who commit to
		changing grazing management to benefit sage-grouse
		The article does not mention the Sage-Grouse Initiative

4.	How c	lid early ranchers alter the land to provide water for their cattle?
		Dug wells 1,700 to 3,000 feet deep
		Dug shallow pits to capture snowmelt and rain
		Dug canals from nearby rivers
		The article does not mention how early ranchers altered the land to provide water for their cattle
5.	How d	loes a lack of grazing potentially harm native plants and animals?
		If grasses are not grazed, plants become choked out by their own thatch of leaves
		If grasses are not grazed, cows die and tip over onto native plants and animals, killing them
		If grasses are not grazed, there isn't enough water for the plants and wildlife
		The article does not mention how a lack of grazing can harm native plants and animals
6.	In the	article, what does "take half and leave half" refer to?
		Grazing only half of the available vegetation and leaving the rest
		Harvesting only half of the sage-grouse and leaving the rest
		Taking half of the water available and leaving the rest
		The article does not mention "take half and leave half."
7.	In wha	at ways does residual standing grass benefit sage-grouse? (Select all
	that a	pply.)
		Provides seeds that feed chicks
		Provides warm areas during chilly spring weather
		Provides hiding areas from predators for adults and chicks
		Provides places for sage-grouse to perch on and look for predators
		Provides insects that feed chicks

8. In 2009, Melissa Foster led a four-year study of sage-grouse in "Core Area	
13." What was the purpose of the study?	
To learn how many sage-grouse golden eagles eat	
To locate sage-grouse nesting sites	
To count sage-grouse populations	
To document sage-grouse survival rates in areas with oil rigs	
9. What did Foster learn from her study?	
☐ That grazing always decreases sage-grouse nesting success	
☐ That grazing may be compatible with sage-grouse nesting success	
☐ That sage-grouse populations are declining rapidly	
☐ That predators are responsible for the decline in sage-grouse	
10. What improvements on ranches can SGI help pay for if ranchers agree to a	Ì
management plan that benefits sage-grouse?	
Fencing and water sources for cattle	
Outbuildings and feeding systems for cattle	
☐ Buying new tractors	
Purchasing more land	
11. How does woven mesh fencing create a hazard for sage-grouse?	
Sage-grouse adults fall when trying to climb the wire	
Sage grouse chicks can be cut by barbs on the fence	
Sage-grouse often die when they collide with fencing while flying low	V
The article doesn't mention woven mesh fencing	
12. According to the article, what is the best definition of "mesic"?	
Small, colored ceramic tiles that together make a picture	
A low-lying area that gathers water and holds it for much of the	
summer	
☐ Baked dry upland habitat	
The article doesn't mention the word "mesic"	

13. According to Bret Lesh, what has changed on his ranch now that he is			
doing rotational grazing? (Select all that apply.)			
Plants withstand the hot dry periods better			
Cattle are putting on additional weight			
Wildlife is moving back into areas where they haven't been in years			
Cattle are losing weight due to less feed			
Plants are drying out due to not enough water			
14. Which of the following developments appear to be harming sage grouse			
populations? (Select all that apply.)			
☐ Oil rigs			
☐ Cell phone towers			
Wind turbines			
☐ Roads			
15. How does a lack of water for cattle harm sage-grouse?			
lacktriangle The cows start feeding on sage-grouse to gain additional moisture			
lacksquare Cows congregate in the few areas where water remains and			
overgraze the land down to dirt, depriving sage-grouse of habitat			
Ranchers run over sage-grouse with their pickups when bringing			
bottled water to their cattle.			
☐ A lack of water for cattle is not an issue for sage-grouse in any way			

Get your boots on the ground and dig deeper!

Discover: The greater sage-grouse

Objective: Research and Writing (RH.9-10.1)

The greater sage-grouse is the largest grouse in North America; it is also commonly referred to as a sagehen. Using the internet, research the following information on the greater sage-grouse: Range or distribution, habitat, ecology, diet, predators and conservation efforts. Use your findings to create a detailed informative poster expanding on each of the areas researched.



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